

2020 Oil Type Sunflower Variety Trial at Minot

North Central Research Extension Center

Company	Hybrid	Days to	Days to	Plant	Oil	Test Weight	Yield			Average	
		Bloom	Mature	Height			2018	2019	2020	2 yr	3 yr
		DAP*	DAP*	inches	%	lbs/bu	lbs/A				
Nuseed	Badger DMR	65	98	59	37.7	29.6	1690				
Nuseed	N5LM307	64	97	58	38.1	29.4	1650	2004	1959	1981	1871
Nuseed	Hornet	72	100	55	46.8	31.3	2649	2215	2295	2255	2386
Nuseed	N4H422 CL	69	102	64	44.5	32.8	2004			exp	
Nuseed	N4H470 CL PLus	72	101	58	46.5	33.9	3106	2518	1758	2138	2461
Nuseed	N4HM354	66	100	58	44.2	30.6	1883	1916	2268	2092	2022
Nuseed	Camaro II	69	99	61	45.8	31.6	2322	2283	1905	2094	2170
Nuseed	N4H302 E	69	101	59	45.5	27.6	2642	2012	1388	1700	2014
Nuseed	Falcon	68	102	55	45.1	32.1	2387	1752	1805	1779	1981
CROPLAN	CP545CL	70	100	52	44.1	32.3	2270	2088	2081	2085	2146
CROPLAN	CP432E	64	98	58	41.3	30.1	2096	1993	1784	1888	1958
CROPLAN	CP450E	68	103	57	42.9	31.8	2371	1895	1565	1730	1944
CROPLAN	CP455E	68	104	59	44.4	30.4	3124	2965	1637	2301	2575
CROPLAN	CP4909E	69	100	60	45.6	31.2	2033	1734	1884		
CHS Sunflower	8D310CL	67	103	63	38.6	28.8	2218				
Proseed	E-93 E	69	100	68	40.1	27.3	1392				
Proseed	E-91 E	69	100	66	39.4	31.2	1767	1409	1588		
Proseed	E-31	69	101	66	39.1	26.8	2319	1345	1587	1466	1750
DAIRYLAND SEED	D643HO	66	99	68	45.8	30.6	2351				
DAIRYLAND SEED	D684HO	69	104	69	43.3	34.2	1525				
DAIRYLAND SEED	D683MO	67	104	61	41.6	31.5	1453				
DAIRYLAND SEED	D690MO	69	103	66	44.5	30.9	1884				
Sunopta	4415HO/CLP	69	99	62	42.9	30.7	2185	1647	1978	1812	1937
Sunopta	EX725CL	66	103	61	41.3	29.9	1839				
Sunopta	4425CL	66	104	65	42.4	30.9	2249	1874	1954	1914	2026
Caussade Semences	Kaledonia	68	103	60	31.3	26.6	1014				
Dyna-Gro	H45HO10EX	67	103	57	43.5	28.0	2128	1402	1765		
Dyna-Gro	H49HO19CL	72	101	54	45.9	30.4	2547	1601	1872	1737	2007
Dyna-Gro	H45NS16CL	64	98	54	46.5	30.4	2507	1499	1954	1727	1987
Dyna-Gro	H44HO12CL	66	100	54	45.7	31.1	2246	1764	1349	1556	1786
Dyna-Gro	H42HO18CL	65	97	52	44.3	30.1	2015	1625	2075	1850	1905
Long term check	Hybrid 894	66	102	54	43.5	29.6	1995	1640	1736	1688	1790
Early maturing check	Honeycomb NS	60	96	52	39.9	27.6	635				
Med maturing check	8N270CLDM	63	100	47	40.0	27.9	939				
Late maturing check	559CL	68	104	65	47.8	31.7	2219	2072	2051	2062	2114
Trial Mean		67	101	59	42.9	30.4	2178	1889	1761	--	--
C.V.%		1.6	2.0	6.6	2.5	4.2	11.8	14.4	16.8	--	--
LSD 5%		2	3	6	1.7	2.1	308	442	481	--	--
LSD 10%		1	3	5	1.5	1.8	258	370	402	--	--

*DAP = Days after planting.

Planting Date: May 29

Harvest Date: October 19

Row Spacing: 30"

Planting Population: 21,000 plants/A

Tillage: Minimum Till

Soil Type: Williams loam

Previous Crop: 2017 = soybean, 2018 and 2019 = spring wheat